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FIG. 1

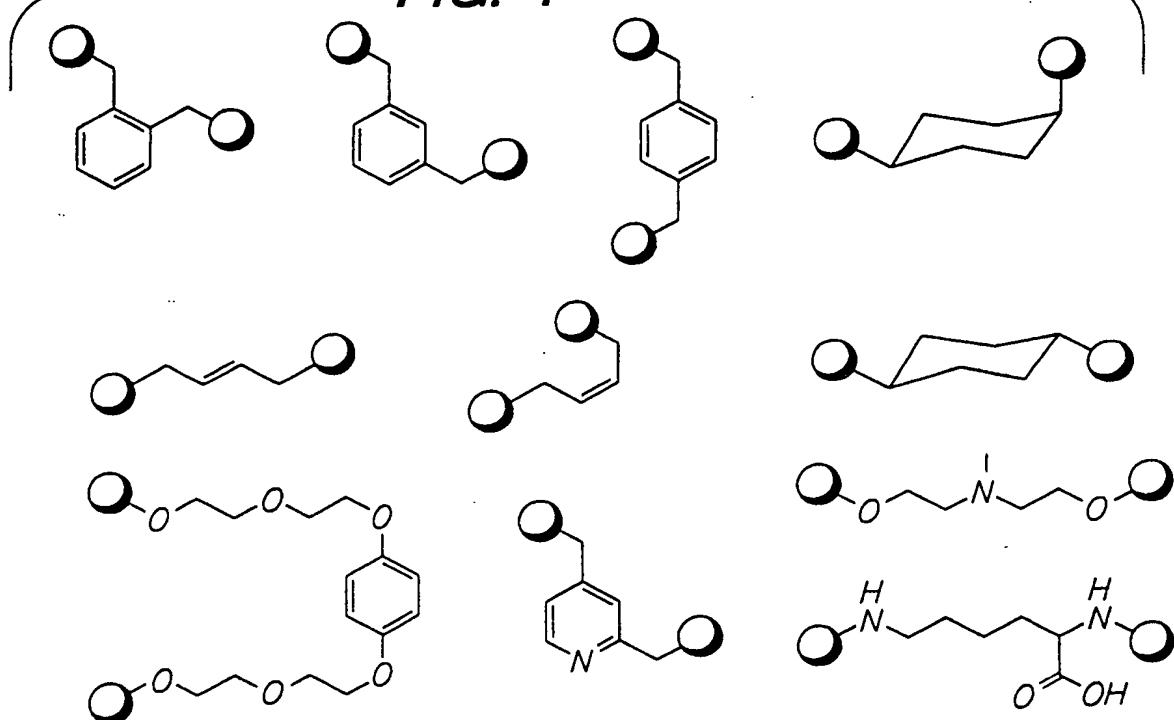
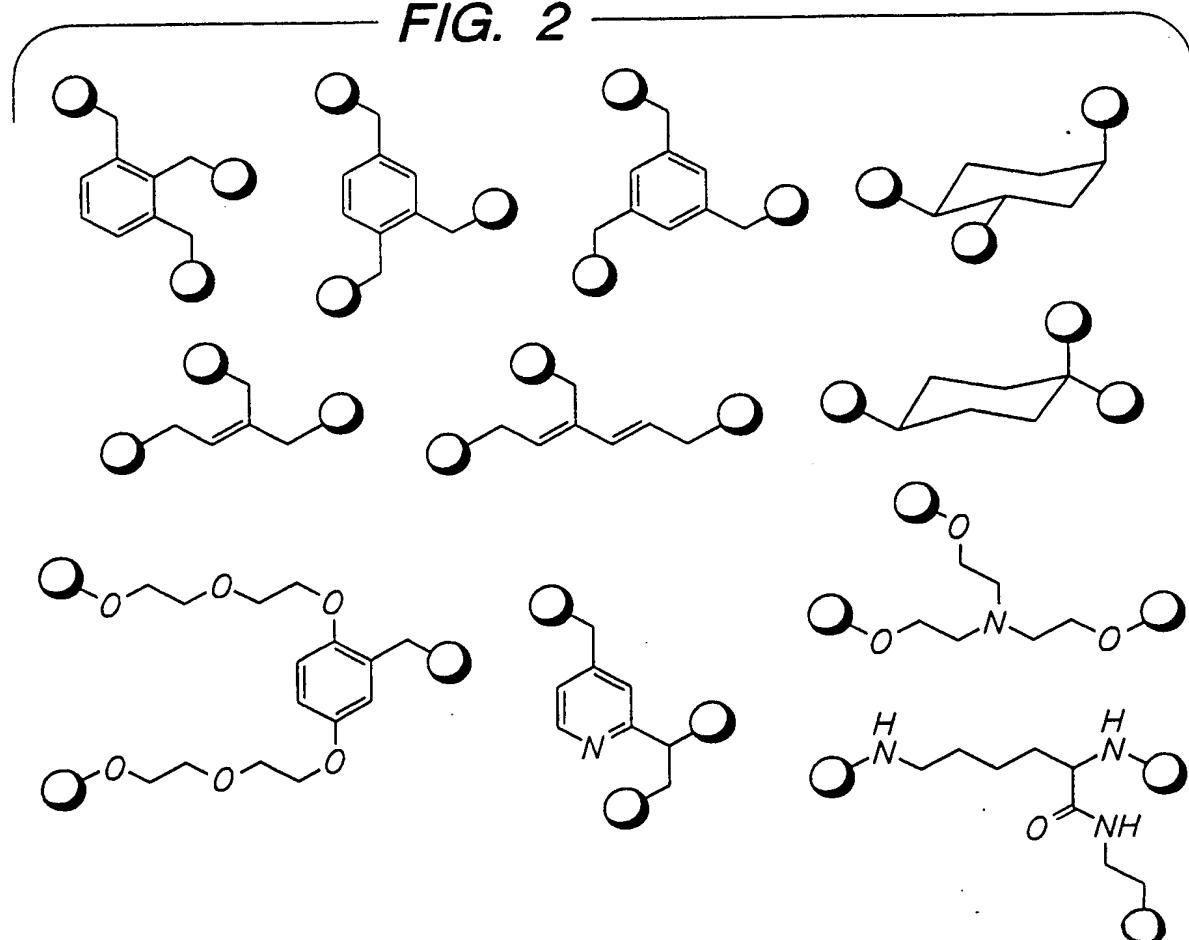
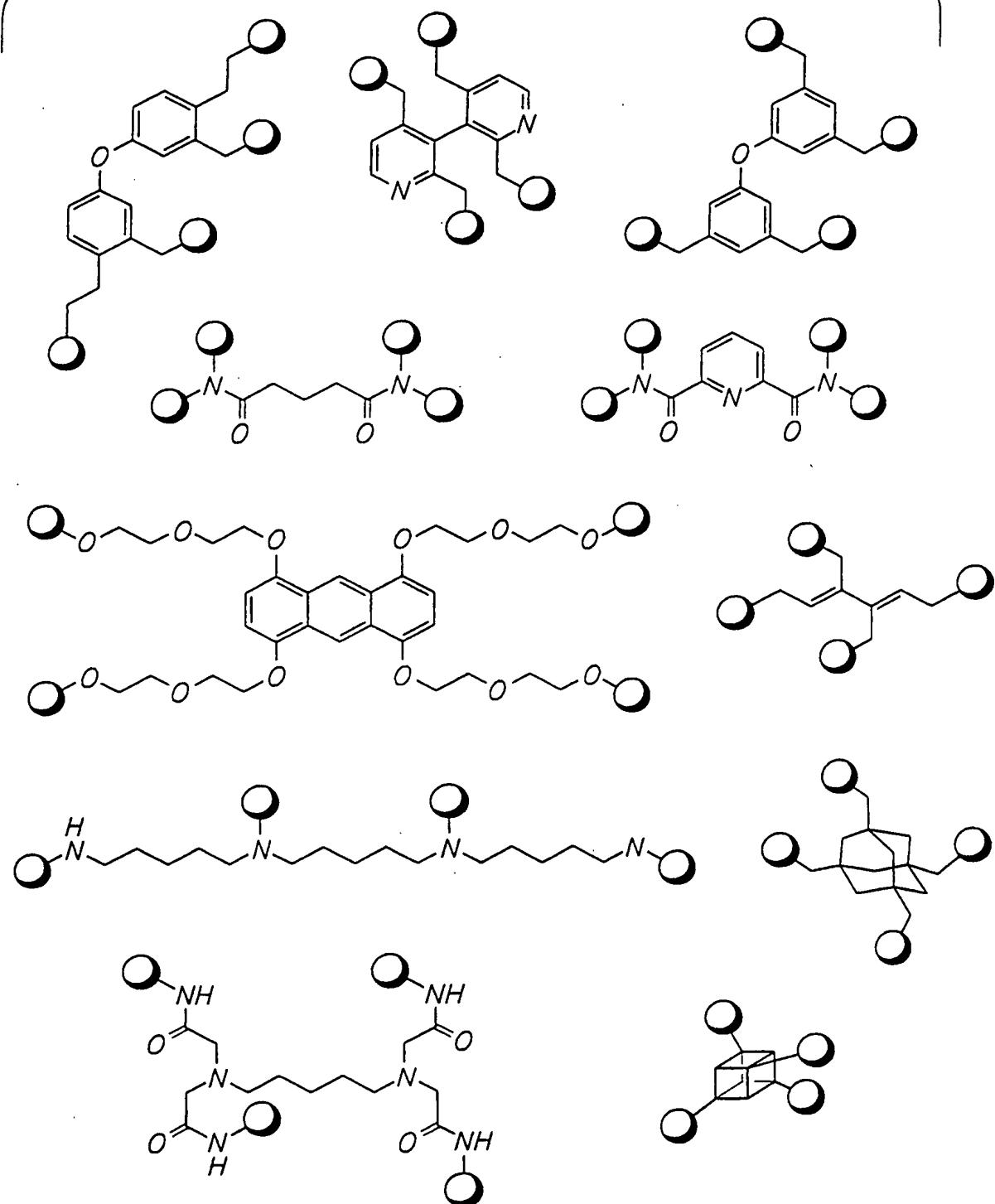


FIG. 2



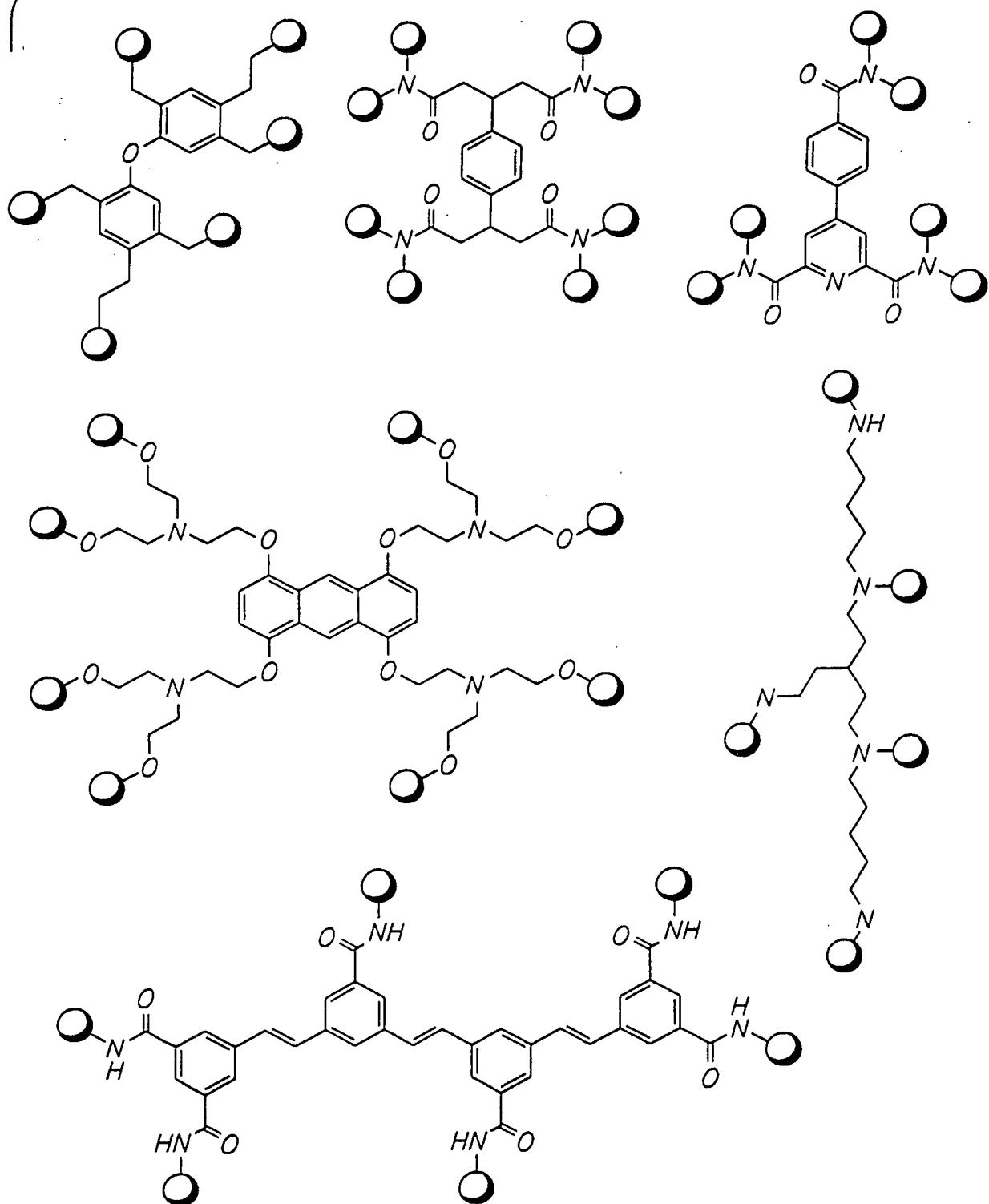
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FIG. 3



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FIG. 4



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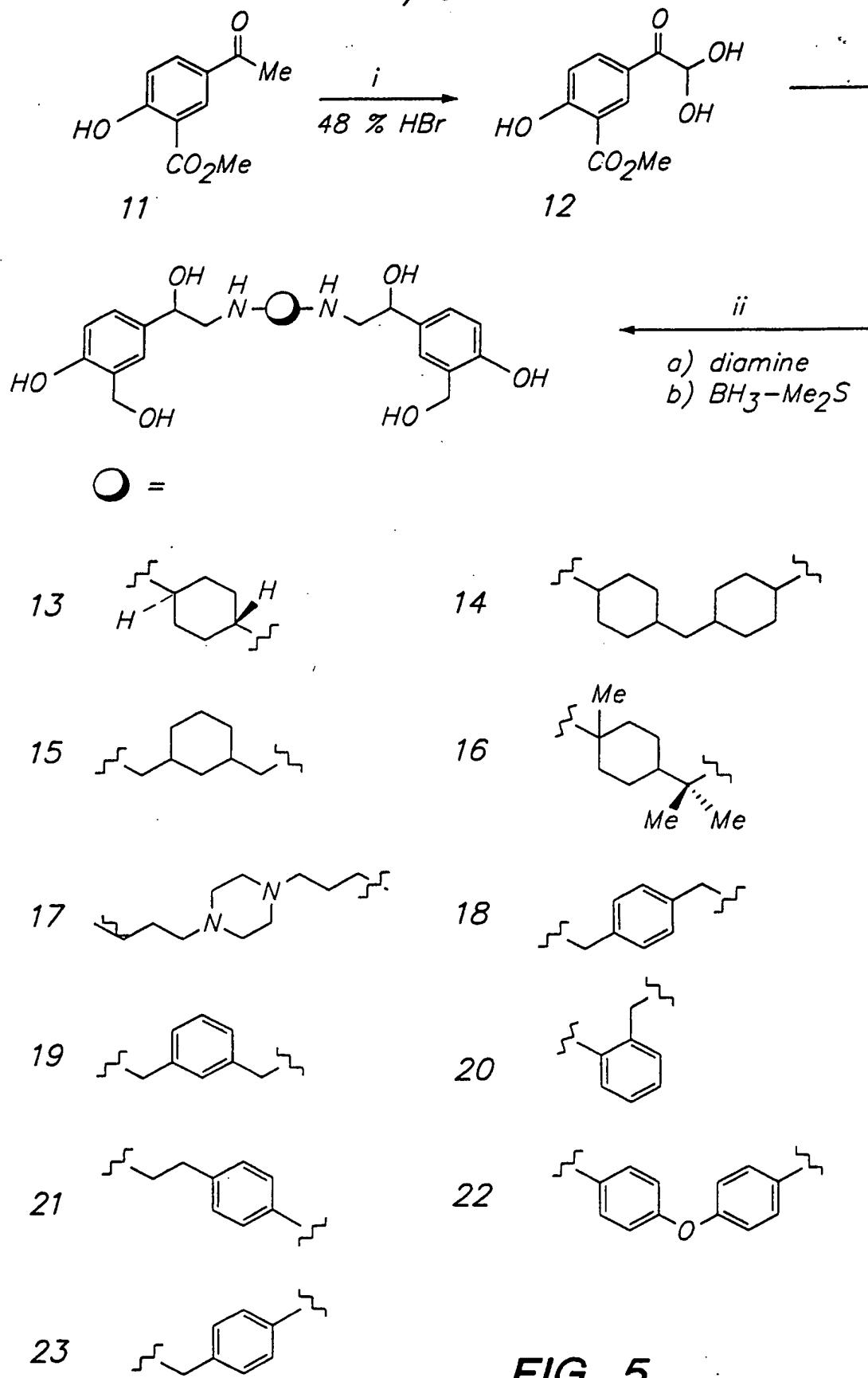


FIG. 5

SUBSTITUTE SHEET (RULE 26)

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FIG. 6

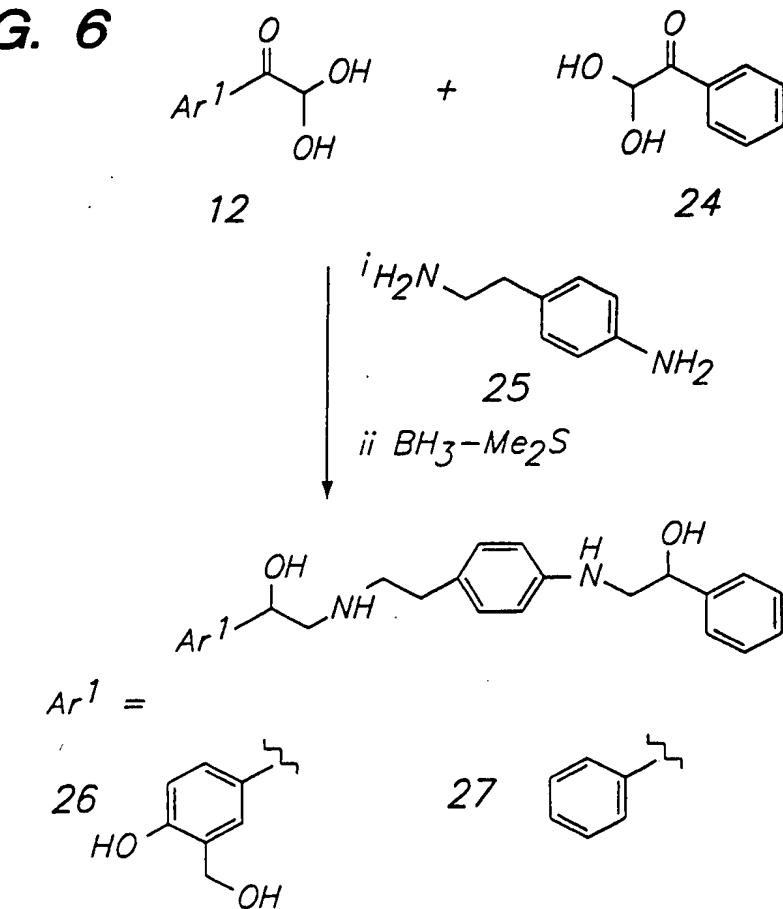
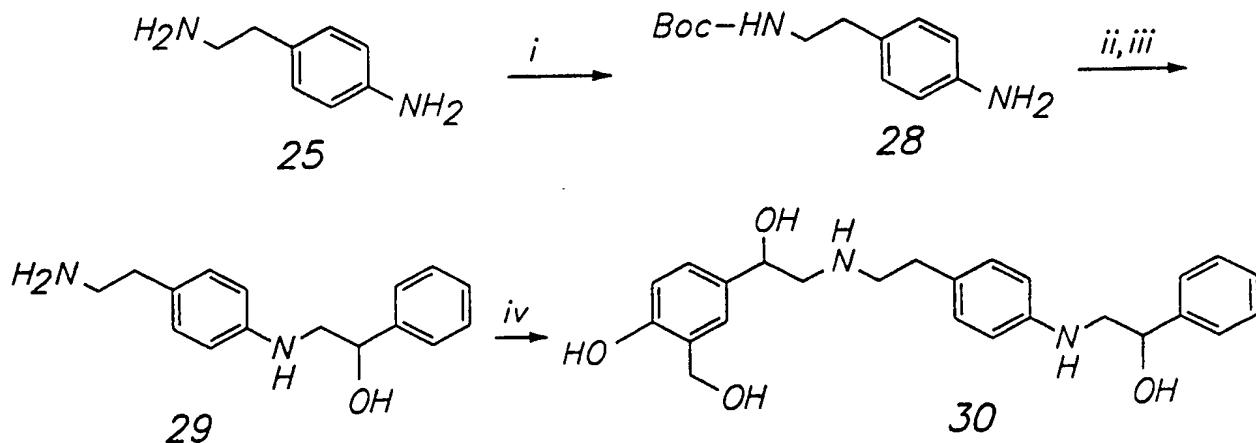


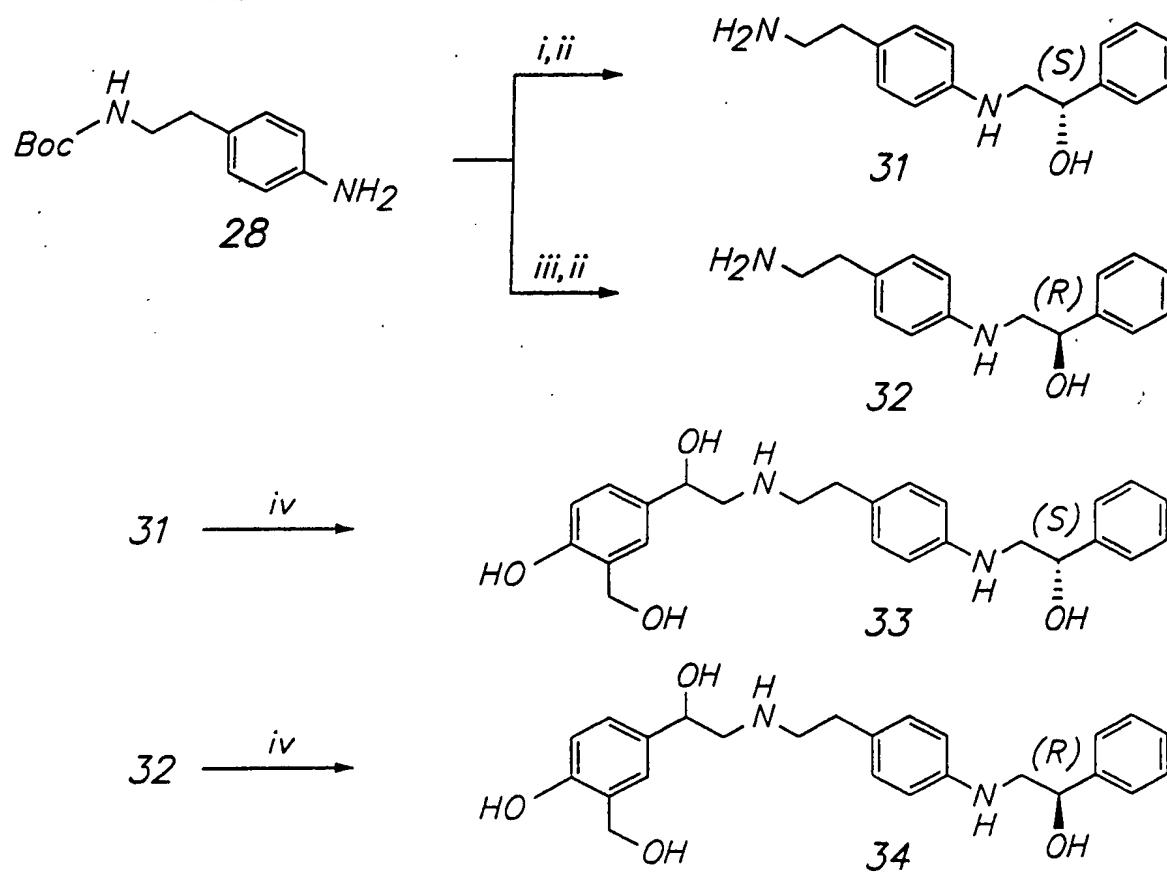
FIG. 7



reagents and conditions: i) $(Boc)_2O$, $MeOH$, rt , $24h$; ii) phenylglyoxal, $MeOH$, rt , $1h$; then $NaCNBH_3$, $12\ h$; iii) $CF_3CO_2H/CH_2Cl_2(1/1)$, $0^\circ C$ to rt , $1h$; iv) compound 12, THF , $12h$; then $2M\ BH_3-Me_2S$, THF , $0^\circ C$ to $75^\circ C$, $6h$.

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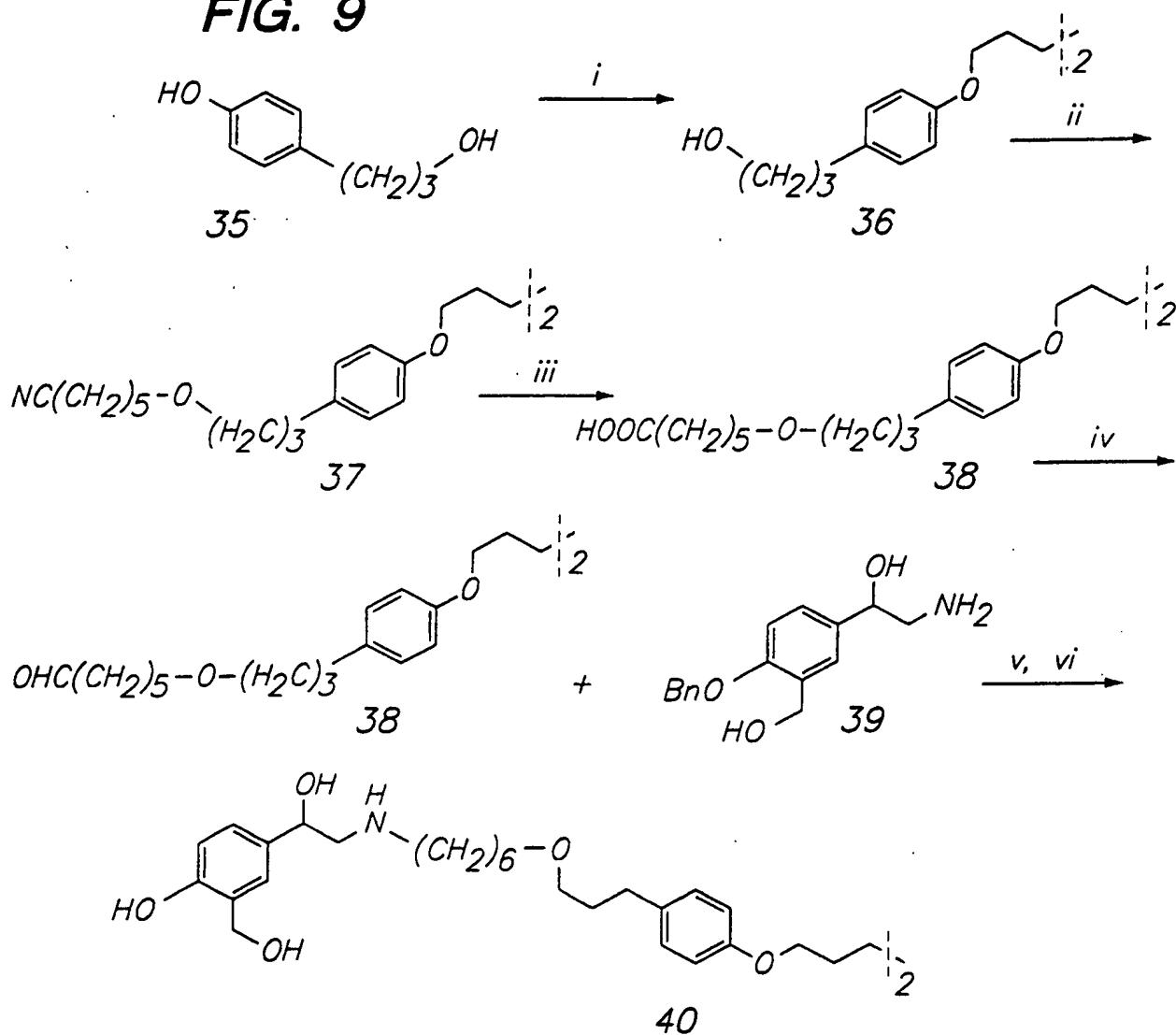
FIG. 8



reagents and conditions: i) (R)-styreneoxide, EtOH, reflux, 24 h;
 ii) CF_3CO_2H/CH_2Cl_2 (1/1), 0°C to rt, 2h; iii) (S)-styreneoxide,
 EtOH, reflux, 24 h; iv) compound 12, THF, 12h; then 2M BH_3 - Me_2S ,
 THF, 0°C to 75°C, 6h.

FIG. 9

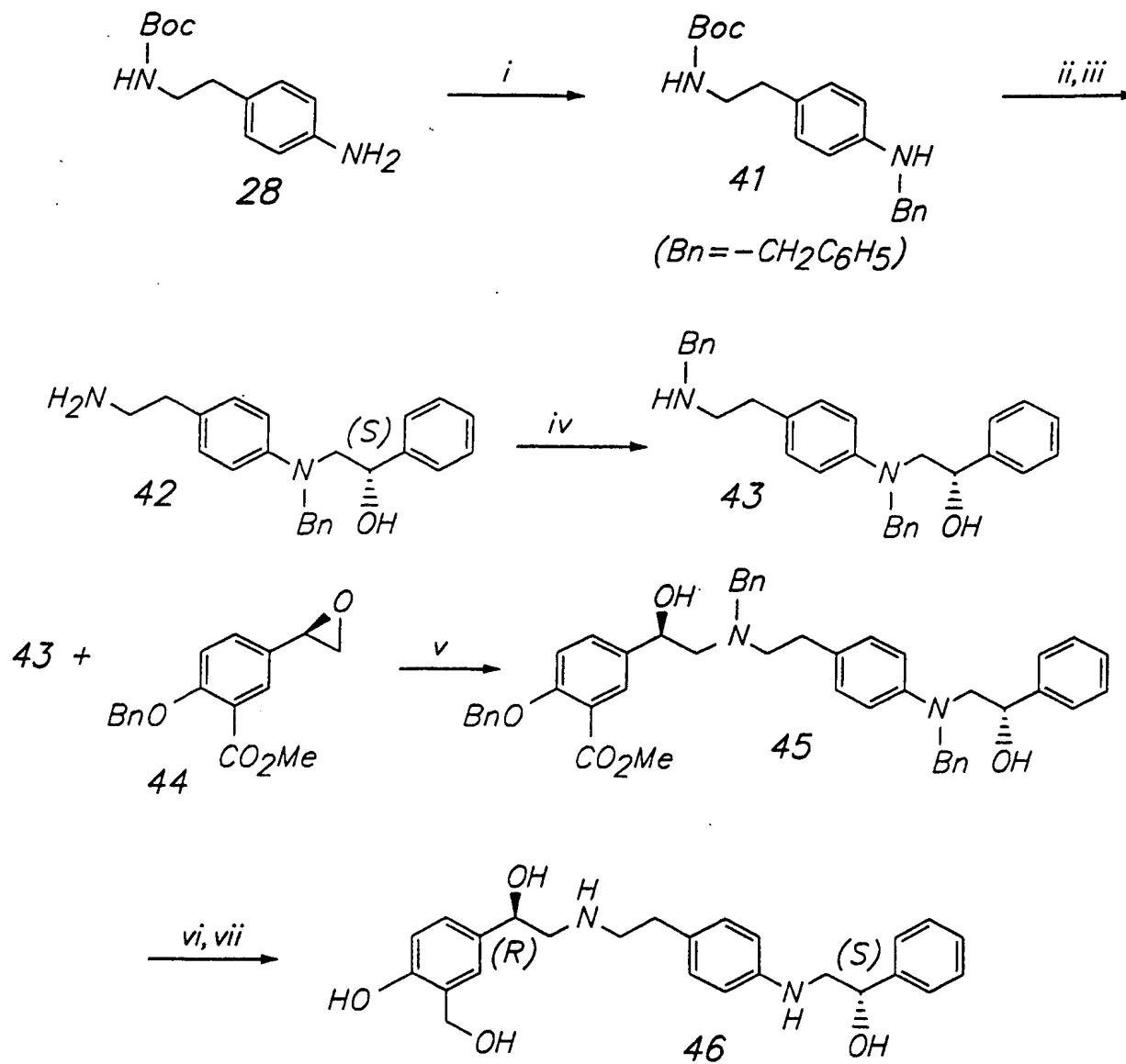
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reagents and conditions: i) 1,6-di-iodohexane, K_2CO_3 , DMSO, $80^\circ C$, 18h; ii) 6-bromohexanenitrile, NaH , DMF, $80^\circ C$, 24h; iii) conc. HCl , $AcOH$, $90^\circ C$, 15h; iv) compound 39, PyBop, $HoBt$, DIPEA, DMF, rt, 24 h; v) $LiAlH_4$, THF, $0^\circ C$ to $80^\circ C$, 4 h; vi) H_2 (1 atm), 10% Pd/C , $EtOH$, rt, 24 h.

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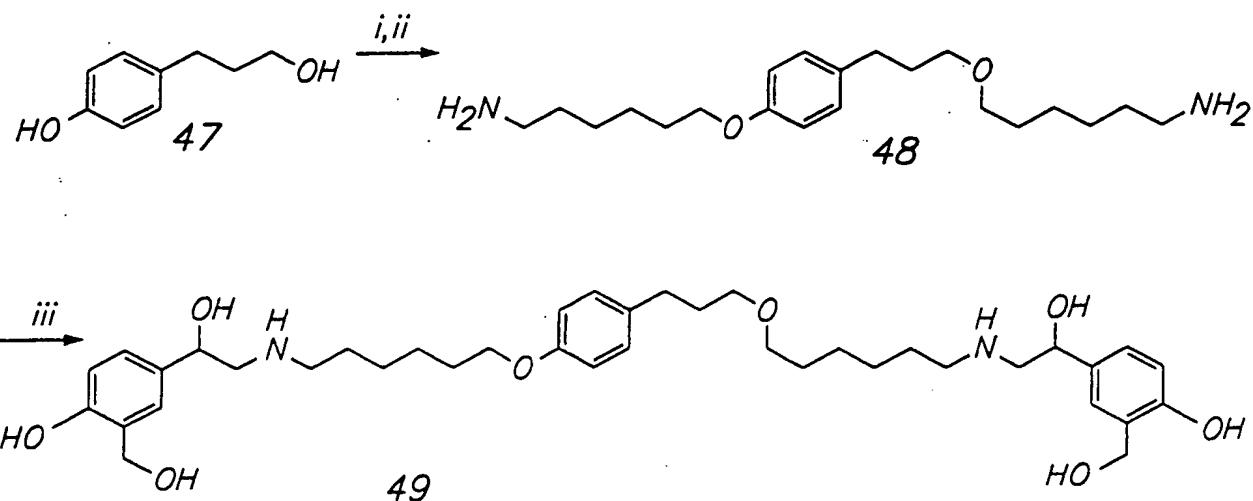
FIG. 10



reagents and conditions: i) benzaldehyde, toluene, mol. sieves 4A, 95°C, 15 h; then NaCNBH_3 , MeOH , rt, 3 h; ii) (R) -styreneoxide, EtOH , reflux, 48 h; iii) $\text{TFA/CH}_2\text{Cl}_2(1/1)$, 0°C, 1 h; iv) benzaldehyde, toluene, mol. sieves 4A, 90°C, 5 h; then, NaCNBH_3 , MeOH , AcOH , rt, 2 h; v) toluene, 105°C, 72 h; vi) LiAlH_4 , THF , 0°C to rt, 5 h; vii) $\text{H}_2(1 \text{ atm})$, 10% Pd/C , EtOH , rt, 36 h.

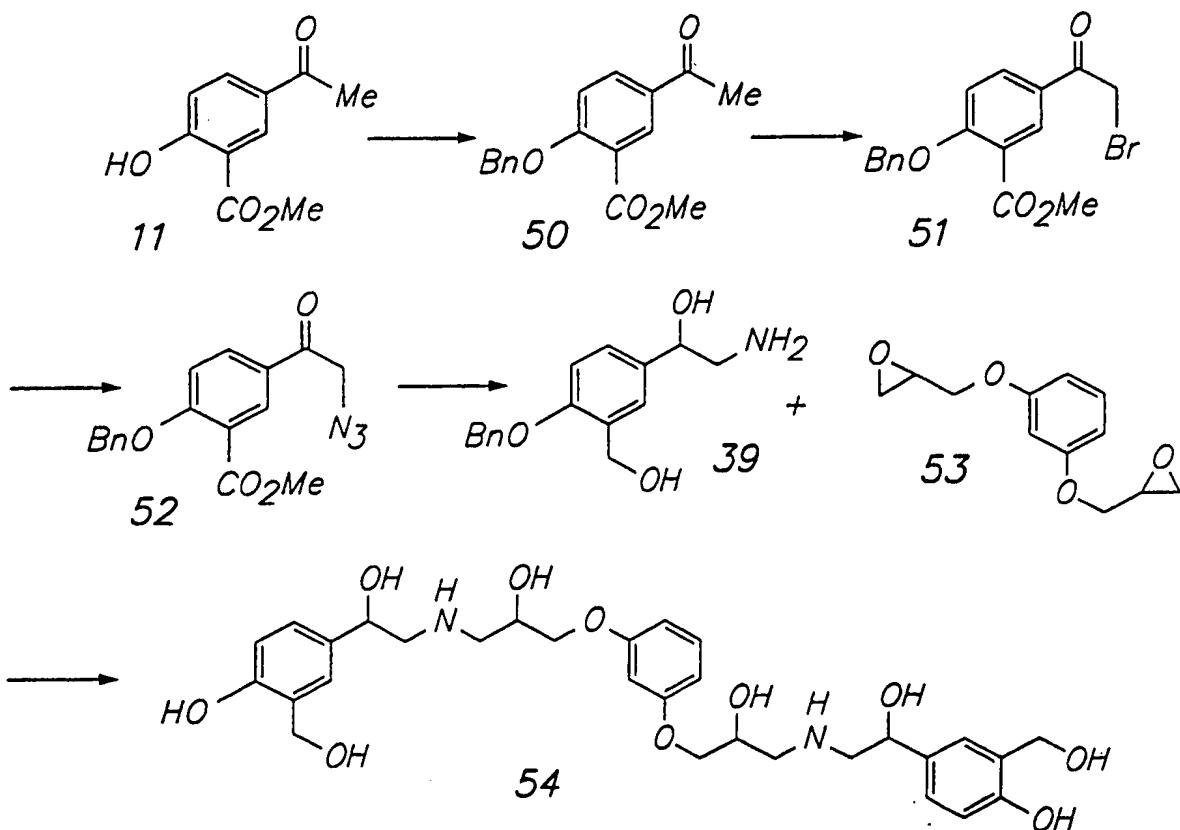
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FIG. 11



reagents and conditions: *i*) 6-bromohexanenitrile, NaH, DMF, 24 h;
ii) LiAlH₄, THF, 0°C to rt, 14 h, *iii*) compound 12, THF, 3 h;
 then 2M BH₃-Me₂S, THF, 0°C to 80°C, 4 h.

FIG. 12



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FIG. 13

